

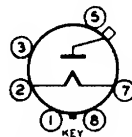


8016

HALF-WAVE HIGH-VACUUM RECTIFIER

1/4-WATT FILAMENT TYPE

Filament	Coated	
Voltage*	1.25	a-c volts
Current	0.2	amp.
Direct Interelectrode Capacitance:		
Plate to Filament	1.5	μf
Maximum Overall Length		4-1/8"
Maximum Diameter		1-5/16"
Bulb		T-9
Cap		Small
Base		Intermediate Shell Octal 6-Pin
RCA Socket		Stock No. 9924
Pin 1-No Connection		Pin 7-Filament
Pin 2-Filament		Pin 8 { Internal Con. Do Not Use
Pin 3-No Connection		Cap -Plate
Pin 5-No Connection		
Mounting Position		Any



BOTTOM VIEW

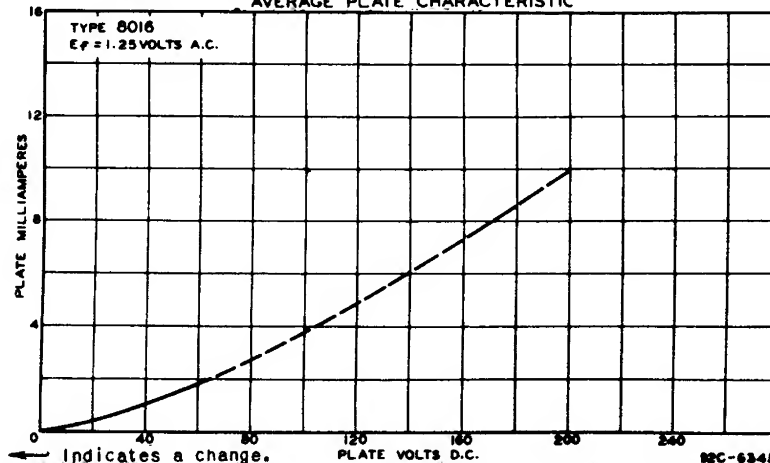
*Maximum Ratings Are Absolute Values***MAXIMUM RATINGS**

Peak Inverse Plate Voltage	10000 max. volts
Peak Plate Current	7.5 max. ma.
Average Plate Current	2 max. ma.
Frequency of Supply Voltage*	250 max. kc

* The design of the filament will permit the use, in continuous operation, of filament voltages within $\pm 10\%$ of the rated value without seriously affecting the life of the tube. If greater variations are encountered, it is recommended that some method be provided for automatically regulating the filament voltage.

* The 8016 because of its low-wattage filament and its low plate-filament capacitance is suitable for supplying high-voltage rectified power from an r-f source. When the filament is operated from an r-f source its temperature must never under any conditions of operation, be allowed to reach a temperature higher than that caused by operating the filament at 1.75 volts from either a d-c or a low-frequency a-c source. An aperture is provided in the plate of the 8016 for observation of the filament temperature. Operation of the filament at a higher temperature than that corresponding to the 1.75-volt condition, even momentarily, is certain to cause damage to the tube even though the filament still lights.

AVERAGE PLATE CHARACTERISTIC



AUG. 2, 1943

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA

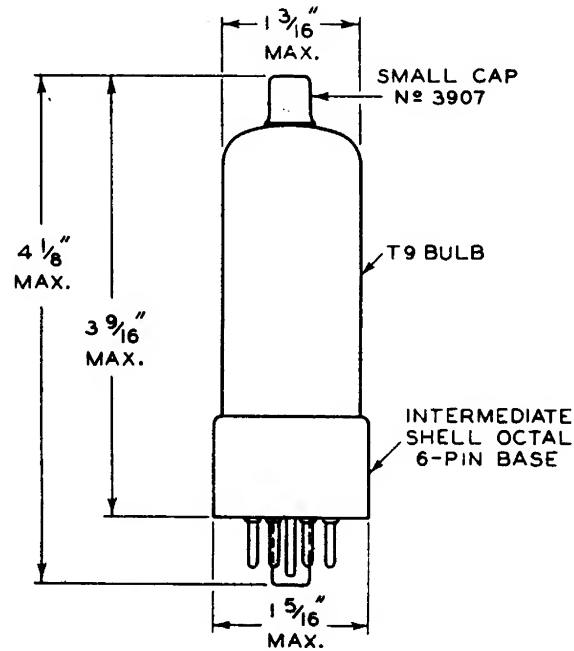
8016

8016



8016

HALF-WAVE HIGH-VACUUM RECTIFIER



92C-6337R1

← Indicates a change.

AUG. 2, 1943

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

CE-6337R1